

AD-A266 313



1

Report No. FAA-EE-91-02
DOT-VNTSC-FAA-91-4

UPDATE OF AIRCRAFT PROFILE DATA FOR THE INTEGRATED NOISE MODEL COMPUTER PROGRAM

DTIC
ELECTE
JUN 28 1993
S A D

Dwight E. Bishop
John F. Mills

Acoustical Analysis Associates, Inc.
22148 Sherman Way, Suite 206
Canoga Park, CA 91303



MARCH 1992

VOL. 3
APPENDIX B
AIRCRAFT PERFORMANCE COEFFICIENTS

This document has been approved
for public release and sale; its
distribution is unlimited.

Document is available to the U.S. Public through the
National Technical Information Service,
Springfield, Virginia 22161

93-14599

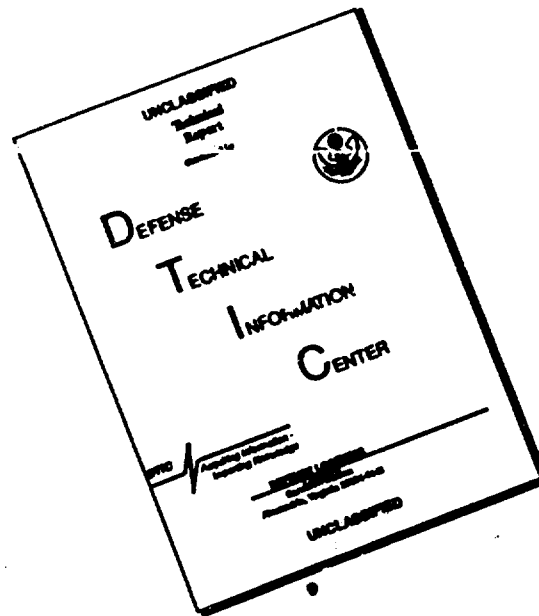


51P8

Prepared for

U.S. DEPARTMENT OF TRANSPORTATION
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION
VOLPE NATIONAL TRANSPORTATION SYSTEMS CENTER
CAMBRIDGE, MA 02142-1093

DISCLAIMER NOTICE



**THIS DOCUMENT IS BEST
QUALITY AVAILABLE. THE COPY
FURNISHED TO DTIC CONTAINED
A SIGNIFICANT NUMBER OF
PAGES WHICH DO NOT
REPRODUCE LEGIBLY.**

NOTICE

This document is disseminated under the sponsorship of the Department of Transportation in the interest of information exchange. The United States Government assumes no liability for its contents or use thereof.

NOTICE

The United States Government does not endorse products or manufacturers. Trade or manufacturers' names appear herein solely because they are considered essential to the objective of this report

Technical Report Documentation Page

1. Report No. FAA-EE-91-02		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle UPDATE OF AIRCRAFT PROFILE DATA FOR THE INTEGRATED NOISE MODEL COMPUTER PROGRAM				5. Report Date March 1992	
				6. Performing Organization Code	
7. Author(s) Dwight E. Bishop, John F. Mills				8. Performing Organization Report No. DOT-VNTSC-FAA-91-4 AAAI 1081	
9. Performing Organization Name and Address Acoustical Analysis Associates, Inc. 22148 Sherman Way, Suite 206 Canoga Park, CA 91303				10. Work Unit No. (TRAIS) FA165/A1126	
				11. Contract or Grant No. DOT/TSC DTRS-57-90-C-0024	
12. Sponsoring Agency Name and Address U.S. Department of Transportation Federal Aviation Administration 800 Independence Avenue, S.W. Washington, DC 20591				13. Type of Report and Period Covered Final Report April 1990-Mar. 1992	
				14. Sponsoring Agency Code AEE - 120	
15. Supplementary Notes *Under contract to: U.S. Department of Transportation Research and Special Programs Administration Volpe National Transportation Systems Center Cambridge, MA 02142-1093					
16. Abstract This report provides aircraft takeoff and landing profiles, aircraft aerodynamic performance coefficients and engine performance coefficients for the aircraft data base (Database 9) in the Integrated Noise Model (INM) computer program. Flight profiles and coefficients are provided for 92 aircraft, covering a wide range of civil transport aircraft types, and selected general aviation and military aircraft. Appendix A lists the aircraft flight profiles; Appendix B lists the aerodynamic and engine coefficients. The aerodynamic and engine coefficients, upon which the profiles are based, are in the format specified in Society of Automotive Engineers (SAE) Aerospace Information Report (AIR) 1845. To the extent possible, the coefficients and flight profiles are based upon the reference conditions specified in SAE AIR 1845.					
17. Key Words Integrated Noise Model (INM) Aircraft flight profiles Aircraft aerodynamic coefficients Aircraft engine coefficients SAE AIR 1845			18. Distribution Statement Document is available to the public through the National Technical Information Service Springfield, VA 22161		
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 22. Price	

METRIC / ENGLISH CONVERSION FACTORS

ENGLISH TO METRIC

LENGTH (APPROXIMATE)

1 inch (in) = 2.5 centimeters (cm)
 1 foot (ft) = 30 centimeters (cm)
 1 yard (yd) = 0.9 meter (m)
 1 mile (mi) = 1.6 kilometers (km)

AREA (APPROXIMATE)

1 square inch (sq in, in²) = 6.5 square centimeters (cm²)
 1 square foot (sq ft, ft²) = 0.09 square meter (m²)
 1 square yard (sq yd, yd²) = 0.8 square meter (m²)
 1 square mile (sq mi, mi²) = 2.6 square kilometers (km²)
 1 acre = 0.4 hectares (he) = 4,000 square meters (m²)

MASS - WEIGHT (APPROXIMATE)

1 ounce (oz) = 28 grams (gr)
 1 pound (lb) = .45 kilogram (kg)
 1 short ton = 2,000 pounds (lb) = 0.9 tonne (t)

VOLUME (APPROXIMATE)

1 teaspoon (tsp) = 5 milliliters (ml)
 1 tablespoon (tbsp) = 15 milliliters (ml)
 1 fluid ounce (fl oz) = 30 milliliters (ml)
 1 cup (c) = 0.24 liter (l)
 1 pint (pt) = 0.47 liter (l)
 1 quart (qt) = 0.96 liter (l)
 1 gallon (gal) = 3.8 liters (l)
 1 cubic foot (cu ft, ft³) = 0.03 cubic meter (m³)
 1 cubic yard (cu yd, yd³) = 0.76 cubic meter (m³)

TEMPERATURE (EXACT)

$$[(x - 32)(5/9)]^{\circ}\text{F} = y^{\circ}\text{C}$$

METRIC TO ENGLISH

LENGTH (APPROXIMATE)

1 millimeter (mm) = 0.04 inch (in)
 1 centimeter (cm) = 0.4 inch (in)
 1 meter (m) = 3.3 feet (ft)
 1 meter (m) = 1.1 yards (yd)
 1 kilometer (km) = 0.6 mile (mi)

AREA (APPROXIMATE)

1 square centimeter (cm²) = 0.16 square inch (sq in, in²)
 1 square meter (m²) = 1.2 square yards (sq yd, yd²)
 1 square kilometer (km²) = 0.4 square mile (sq mi, mi²)
 1 hectare (he) = 10,000 square meters (m²) = 2.5 acres

MASS - WEIGHT (APPROXIMATE)

1 gram (gr) = 0.036 ounce (oz)
 1 kilogram (kg) = 2.2 pounds (lb)
 1 tonne (t) = 1,000 kilograms (kg) = 1.1 short tons

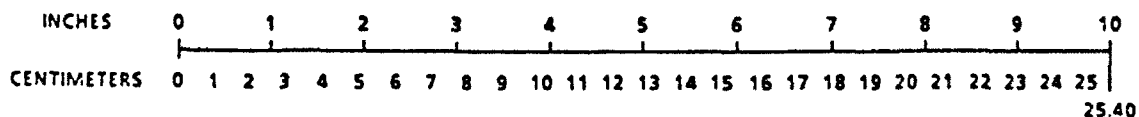
VOLUME (APPROXIMATE)

1 milliliter (ml) = 0.03 fluid ounce (fl oz)
 1 liter (l) = 2.1 pints (pt)
 1 liter (l) = 1.06 quarts (qt)
 1 liter (l) = 0.26 gallon (gal)
 1 cubic meter (m³) = 36 cubic feet (cu ft, ft³)
 1 cubic meter (m³) = 1.3 cubic yards (cu yd, yd³)

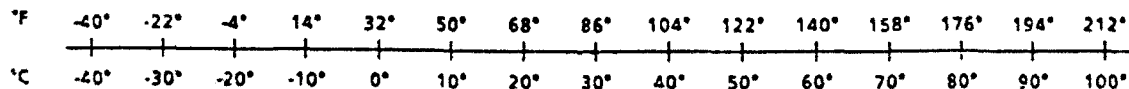
TEMPERATURE (EXACT)

$$[(9/5)y + 32]^{\circ}\text{C} = x^{\circ}\text{F}$$

QUICK INCH-CENTIMETER LENGTH CONVERSION



QUICK FAHRENHEIT-CELCIUS TEMPERATURE CONVERSION



For more exact and/or other conversion factors, see NBS Miscellaneous Publication 286, Units of Weights and Measures. Price \$2.50. SD Catalog No. C13 10 266.

APPENDIX B

AIRCRAFT PERFORMANCE COEFFICIENTS

This appendix provides the performance coefficients for each aircraft listed in Tables 1, 2 and 3 of this report. The coefficients and the equations in which they are to be used are discussed in Section 3 of the report.

The aircraft coefficients are tabulated in order of ascending INM aircraft number. To aid in locating a particular aircraft, Table A-1 in Appendix A lists the aircraft assigned to each INM number and the Appendix A and Appendix B pages where details for that aircraft can be found.

Accession For	
NTIS	CPAS
DTIC	ELS
Unannounced	
Justification	
By	
Distribution	
Availability	
Dist	Available for Special
A-1	

Name: B747-200/JT9D-7
 ID: A/C Number 002
 AC Type: JCOM 4 ENGINES
 Rated Power: 45500 LB

	TOFLAP	B	C	RT
1	20	0.220700E-02	0.203133E+00	0.0986160
2	10	0.235000E-02	0.211659E+00	0.0911540
3	5	0.000000E+00	0.000000E+00	0.0740420
4	ZERO	0.000000E+00	0.000000E+00	0.0569300

	APPFLAP	D	R
1	D 30	0.202116E+00	0.142564E+00
2	D 25	0.210537E+00	0.116953E+00
3	D 20	0.217555E+00	0.109467E+00
4	U 20	0.000000E+00	0.917370E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.427807E+05	-.505900E+02	0.349279E+00	-.106970E-04	0.000000E+00
2 MAX CLIMB	0.367914E+05	-.435074E+02	0.300400E+00	-.920000E-05	0.000000E+00
3 GEN. THRUST	-.141079E+06	-.117298E+02	-.283300E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.201105E+06	-.538430E+05	0.000000E+00	0.000000E+00	

Name: B747-100/JT9D-7QN
 ID: A/C Number 003
 AC Type: JCOM 4 ENGINES
 Rated Power: 45500 LB

	TOFLAP	B	C	RT
1	20	0.218700E-02	0.202456E+00	0.0995040
2	10	0.233300E-02	0.212212E+00	0.0921960
3	5	0.000000E+00	0.000000E+00	0.0745600
4	ZERO	0.000000E+00	0.000000E+00	0.0569300

	APPFLAP	D	R
1	D 30	0.202116E+00	0.142564E+00
2	D 25	0.210537E+00	0.116953E+00
3	D 20	0.217555E+00	0.109467E+00
4	U 20	0.000000E+00	0.917370E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.427807E+05	-.505900E+02	0.349279E+00	-.106970E-04	0.000000E+00
2 MAX CLIMB	0.367914E+05	-.435074E+02	0.300400E+00	-.920000E-05	0.000000E+00
3 GEN. THRUST	-.141079E+06	-.117298E+02	-.283300E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.201105E+06	-.538430E+05	0.000000E+00	0.000000E+00	

Name: B747SP/JT9D-7
 ID: A/C Number 004
 AC Type: JCOM 4 ENGINES
 Rated Power: 45500 LB

	TOFLAP	B	C	RT
1	20	0.217900E-02	0.201901E+00	0.1032960
2	10	0.235700E-02	0.210572E+00	0.0953160
3	5	0.000000E+00	0.000000E+00	0.0761230
4	ZERO	0.000000E+00	0.000000E+00	0.0569300

	APPFLAP	D	R
1	D 30	0.202497E+00	0.143096E+00
2	D 25	0.209991E+00	0.116897E+00
3	D 20	0.216415E+00	0.110347E+00
4	U 20	0.000000E+00	0.925690E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.427807E+05	-.505900E+02	0.349279E+00	-.106970E-24	0.000000E+00
2 MAX CLIMB	0.367914E+05	-.435074E+02	0.300400E+00	-.920000E-05	0.000000E+00
3 GEN. THRUST	-.141079E+06	-.117298E+02	-.283300E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.201105E+06	-.538430E+05	0.000000E+00	0.000000E+00	

Name: B747-200/JT9D-7Q
 ID: A/C Number 005
 AC Type: JCOM 4 ENGINES
 Rated Power: 53000 LB

	TOFLAP	B	C	RT
1	20	0.219600E-02	0.204500E+00	0.0986700
2	10	0.235100E-02	0.213000E+00	0.0886000
3	5	0.000000E+00	0.000000E+00	0.0727600
4	ZERO	0.000000E+00	0.000000E+00	0.0569300

	APPFLAP	D	R
1	D 30	0.201700E+00	0.143800E+00
2	D 25	0.210500E+00	0.118000E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.488660E+05	-.436800E+02	0.664100E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.395940E+05	-.380800E+02	0.526200E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	-.281100E+05	-.100500E+02	-.354300E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.463750E+05	0.000000E+00	0.000000E+00	0.000000E+00	

Name: B707-320B/JT3D-7
 ID: A/C Number 009
 AC Type: JCOM 4 ENGINES
 Rated Power: 19000 LB

	TOFLAP	B	C	RT
1	14	0.451400E-02	0.312431E+00	0.0893160
2	INT	0.000000E+00	0.000000E+00	0.0727430
3	ZERO	0.000000E+00	0.000000E+00	0.0561700

	APPFLAP	D	R
1	D 50	0.275511E+00	0.154720E+00
2	D 40	0.279116E+00	0.134567E+00
3	D 25	0.307537E+00	0.107756E+00
4	U 25	0.000000E+00	0.982190E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.180447E+05	-.157976E+02	0.189300E+00	0.645950E-05	0.000000E+00
2 MAX CLIMB	0.159438E+05	-.139584E+02	0.167200E+00	0.570740E-05	0.000000E+00
3 GEN. THRUST	-.254474E+05	-.679039E+01	-.177500E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.332998E+05	-.581700E+04	0.000000E+00	0.000000E+00	

Name: B720B/JT3D-3
 ID: A/C Number 011
 AC Type: JCOM 4 ENGINES
 Rated Power: 18000 LB

	TOFLAP	B	C	RT
1	30	0.523800E-02	0.340735E+00	0.1042430
2	20	0.573000E-02	0.356426E+00	0.0919330
3	INT	0.000000E+00	0.000000E+00	0.0740520
4	ZERO	0.000000E+00	0.000000E+00	0.0561700

	APPFLAP	D	R
1	D 50	0.339412E+00	0.148843E+00
2	D 30	0.350247E+00	0.109478E+00
3	U 30	0.000000E+00	0.980500E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.167686E+05	-.154710E+02	0.140178E+00	0.205590E-05	0.000000E+00
2 MAX CLIMB	0.145401E+05	-.134149E+02	0.121548E+00	0.178264E-05	0.000000E+00
3 GEN. THRUST	-.274199E+05	-.581791E+01	-.117500E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.356545E+05	-.656090E+04	0.000000E+00	0.000000E+00	

Name: DC8-50/JT3D-3B
 ID: A/C Number 012
 AC Type: JCOM 4 ENGINES
 Rated Power: 18000 LB

	TOFLAP	B	C	RT
1	25	0.470800E-02	0.315832E+00	0.1030920
2	15	0.520600E-02	0.323443E+00	0.0904170
3	INT	0.000000E+00	0.000000E+00	0.0744010
4	ZERO	0.000000E+00	0.000000E+00	0.0585350

	APPFLAP	D	R
1	D 50	0.313281E+00	0.149354E+00
2	U 50	0.000000E+00	0.145337E+00
3	D 35	0.328558E+00	0.129965E+00
4	U 35	0.000000E+00	0.126751E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.156703E+05	-.589550E+01	-.210670E-01	0.105510E-06	0.000000E+00
2 MAX CLIMB	0.142435E+05	-.565650E+01	-.202130E-01	0.101230E-06	0.000000E+00
3 GEN. THRUST	-.225828E+05	-.658409E+01	-.208084E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.290709E+05	-.434184E+04	0.000000E+00	0.000000E+00	

Name: DC8-60/JT3D-7
 ID: A/C Number 013
 AC Type: JCOM 4 ENGINES
 Rated Power: 19000 LB

	TOFLAP	B	C	RT
1	23	0.457200E-02	0.304797E+00	0.0959530
2	12	0.489900E-02	0.320082E+00	0.0902140
3	INT	0.000000E+00	0.000000E+00	0.0717030
4	ZERO	0.000000E+00	0.000000E+00	0.0531900

	APPFLAP	D	R
1	D 50	0.304526E+00	0.130913E+00
2	U 50	0.000000E+00	0.127660E+00
3	D 35	0.312879E+00	0.117758E+00
4	U 35	0.000000E+00	0.115049E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.167405E+05	-.493940E+01	-.176500E-01	0.884010E-07	0.000000E+00
2 MAX CLIMB	0.155587E+05	-.723390E+01	-.258500E-01	0.129470E-06	0.000000E+00
3 GEN. THRUST	-.279595E+05	-.635297E+01	-.183499E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.358503E+05	-.615774E+04	0.000000E+00	0.000000E+00	

Name: DC8-70/CFM56-2C-5
 ID: A/C Number 014
 AC Type: JCOM 4 ENGINES
 Rated Power: 22000 LB

	TOFLAP	B	C	RT
1	23	0.457200E-02	0.304797E+00	0.0959530
2	12	0.489900E-02	0.320082E+00	0.0902140
3	INT	0.000000E+00	0.000000E+00	0.0717030
4	ZERO	0.000000E+00	0.000000E+00	0.0531900

	APPFLAP	D	R
1	D 50	0.304526E+00	0.130913E+00
2	U 50	0.000000E+00	0.127660E+00
3	D 35	0.312879E+00	0.117758E+00
4	U 35	0.000000E+00	0.115049E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.207580E+05	-.206500E+02	0.217200E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.188590E+05	-.179100E+02	0.195300E+00	0.000000E+00	-.203400E+01
3 GEN. THRUST	0.111060E+05	-.100900E+02	-.409000E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	-.369800E+03	-.483500E+01	

Name: BAE146-200/ALF502R-5
 ID: A/C Number 015
 AC Type: JCOM 4 ENGINES
 Rated Power: 6970 LB

	TOFLAP	B	C	RT
1	30	0.817300E-02	0.431790E+00	0.1528700
2	24	0.897900E-02	0.458460E+00	0.1412000
3	18	0.967800E-02	0.492960E+00	0.1324100
4	ZERO	0.000000E+00	0.000000E+00	0.0830960

	APPFLAP	D	R
1	D 33	0.455550E+00	0.153186E+00
2	D 24	0.616670E+00	0.138371E+00
3	U 24	0.000000E+00	0.952980E-01
4	D 18	0.616670E+00	0.119715E+00
5	U 18	0.000000E+00	0.818000E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.654235E+04	-.995850E+01	0.560570E-01	-.123124E-04	0.000000E+00
2 MAX CLIMB	0.633938E+04	-.995850E+01	0.560570E-01	-.123124E-04	0.000000E+00
3 GEN. THRUST	-.137830E+05	-.995850E+01	0.560570E-01	-.123124E-04	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.304295E+03	-.843270E+00	

Name: B707-320B/JT3D-7QN
 ID: A/C Number 016
 AC Type: JCOM 4 ENGINES
 Rated Power: 19000 LB

	TOFLAP	B	C	RT
1	14	0.451400E-02	0.312431E+00	0.0893160
2	INT	0.000000E+00	0.000000E+00	0.0727430
3	ZERO	0.000000E+00	0.000000E+00	0.0561700

	APPFLAP	D	R
1	D 50	0.275511E+00	0.154720E+00
2	D 40	0.279116E+00	0.134567E+00
3	D 25	0.307537E+00	0.107756E+00
4	U 25	0.000000E+00	0.982190E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.180447E+05	-.157976E+02	0.189300E+00	0.645950E-05	0.000000E+00
2 MAX CLIMB	0.159438E+05	-.139584E+02	0.167200E+00	0.570740E-05	0.000000E+00
3 GEN. THRUST	-.254474E+05	-.679039E+01	-.177500E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.332998E+05	-.581700E+04	0.000000E+00	0.000000E+00	

Name: DC8-60/JT8D-7QN
 ID: A/C Number 017
 AC Type: JCOM 4 ENGINES
 Rated Power: 19000 LB

	TOFLAP	B	C	RT
1	23	0.457200E-02	0.304797E+00	0.0959530
2	12	0.489900E-02	0.320082E+00	0.0902140
3	INT	0.000000E+00	0.000000E+00	0.0717030
4	ZERO	0.000000E+00	0.000000E+00	0.0531900

	APPFLAP	D	R
1	D 50	0.304526E+00	0.130913E+00
2	U 50	0.000000E+00	0.127660E+00
3	D 35	0.312879E+00	0.117758E+00
4	U 35	0.000000E+00	0.115049E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.167405E+05	-.493940E+01	-.176500E-01	0.884010E-07	0.000000E+00
2 MAX CLIMB	0.155587E+05	-.723390E+01	-.258500E-01	0.129470E-06	0.000000E+00
3 GEN. THRUST	-.279595E+05	-.635297E+01	-.183499E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.358503E+05	-.615774E+04	0.000000E+00	0.000000E+00	

Name: CONCORDE/OLY593
 ID: A/C Number 018
 AC Type: JCOM 4 ENGINES
 Rated Power: 38100 LB

	TOFLAP	B	C	RT
1	TO	0.805100E-02	0.338363E+00	0.1329400
2	CL1	0.000000E+00	0.000000E+00	0.1329400
3	ZERO	0.000000E+00	0.000000E+00	0.1602100

	APPFLAP	D	R
1	D L	0.349148E+00	0.205927E+00
2	U L	0.000000E+00	0.183067E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.396530E+05	-.317220E+02	0.277600E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.332521E+05	-.266000E+02	0.232800E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: DC10-10/CF6-6D
 ID: A/C Number 019
 AC Type: JCOM 3 ENGINES
 Rated Power: 40000 LB

	TOFLAP	B	C	RT
1	10	0.356000E-02	0.261942E+00	0.1013760
2	5	0.000000E+00	0.000000E+00	0.0798930
3	INT	0.000000E+00	0.000000E+00	0.0685220
4	ZERO	0.000000E+00	0.000000E+00	0.0571490

	APPFLAP	D	R
1	D 50	0.244243E+00	0.164729E+00
2	U 50	0.000000E+00	0.161155E+00
3	D 35	0.251236E+00	0.132645E+00
4	U 35	0.000000E+00	0.127457E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.359854E+05	-.309909E+02	-.110745E+00	0.554650E-06	0.000000E+00
2 MAX CLIMB	0.305960E+05	-.284416E+02	-.101635E+00	0.509020E-06	0.000000E+00
3 GEN. THRUST	0.250276E+05	-.274313E+02	-.782774E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	-.694556E+03	0.802362E+01	

Name: DC10-30/CF6-50C2
 ID: A/C Number 020
 AC Type: JCOM 3 ENGINES
 Rated Power: 53200 LB

	TOFLAP	B	C	RT
1	20	0.309100E-02	0.243400E+00	0.1040000
2	INT1	0.000000E+00	0.000000E+00	0.0945400
3	INT2	0.000000E+00	0.000000E+00	0.0730700
4	ZERO	0.000000E+00	0.000000E+00	0.0651900

	APPFLAP	D	R
1	D 35	0.253400E+00	0.130000E+00
2	U 20	0.000000E+00	0.104000E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.493100E+05	-.424200E+02	0.610000E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.385200E+05	-.293800E+02	0.490000E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: DC10-40/JT9D-20
 ID: A/C Number 021
 AC Type: JCOM 3 ENGINES
 Rated Power: 49400 LB

	TOFLAP	B	C	RT
1	15	0.400900E-02	0.272690E+00	0.1110440
2	5	0.000000E+00	0.000000E+00	0.0825030
3	INT	0.000000E+00	0.000000E+00	0.0712640
4	ZERO	0.000000E+00	0.000000E+00	0.0600250

	APPFLAP	D	R
1	D 50	0.247241E+00	0.151007E+00
2	U 50	0.000000E+00	0.145481E+00
3	D 35	0.254879E+00	0.121114E+00
4	U 35	0.000000E+00	0.114222E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.415949E+05	-.223071E+02	-.797140E-01	0.399230E-06	0.000000E+00
2 MAX CLIMB	0.340879E+05	-.129859E+02	-.464050E-01	0.232410E-06	0.000000E+00
3 GEN. THRUST	-.143602E+06	-.144996E+02	-.502560E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.204567E+06	-.547619E+05	0.000000E+00	0.000000E+00	

Name: L1011/RB211-22B
 ID: A/C Number 022
 AC Type: JCOM 3 ENGINES
 Rated Power: 42000 LB

	TOFLAP	B	C	RT
1	22	0.475900E-02	0.251916E+00	0.1050830
2	10	0.456100E-02	0.265314E+00	0.0933960
3	INTR	0.000000E+00	0.000000E+00	0.0795900
4	ZERO	0.000000E+00	0.000000E+00	0.0624300

	APPFLAP	D	R
1	D 42	0.256389E+00	0.155717E+00
2	D 33	0.286984E+00	0.137671E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.407200E+05	-.521633E+02	0.321659E+00	0.239920E-05	0.000000E+00
2 MAX CLIMB	0.342048E+05	-.438172E+02	0.270193E+00	0.201530E-05	0.000000E+00
3 GEN. THRUST	-.802222E+05	-.250263E+02	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.928935E+05	-.101861E+05	0.000000E+00	0.000000E+00	

Name: L1011-500/RB211-224B
 ID: A/C Number 023
 AC Type: JCOM 3 ENGINES
 Rated Power: 50000 LB

	TOFLAP	B	C	RT
1	22	0.469500E-02	0.251916E+00	0.1050830
2	10	0.449900E-02	0.265314E+00	0.0933960
3	INTR	0.000000E+00	0.000000E+00	0.0795900
4	ZERO	0.000000E+00	0.000000E+00	0.0624300

	APPFLAP	D	R
1	D 42	0.256123E+00	0.155644E+00
2	D 33	0.262728E+00	0.140162E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.468400E+05	-.521633E+02	0.321659E+00	0.239920E-05	0.000000E+00
2 MAX CLIMB	0.395329E+05	-.440258E+02	0.271480E+00	0.202494E-05	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: B727-100/JT8D-7
 ID: A/C Number 025
 AC Type: JCOM 3 ENGINES
 Rated Power: 14000 LB

	TOFLAP	B	C	RT
1	25	0.738900E-02	0.371567E+00	0.1156230
2	15	0.830100E-02	0.392649E+00	0.0954590
3	5	0.869200E-02	0.415048E+00	0.0889160
4	2	0.000000E+00	0.000000E+00	0.0857000
5	ZERO	0.000000E+00	0.000000E+00	0.0636000

	APPFLAP	D	R
1	D 40	0.335992E+00	0.186604E+00
2	D 30	0.343897E+00	0.145903E+00
3	D 25	0.350485E+00	0.128359E+00
4	U 25	0.000000E+00	0.113154E+00
5	U 15	0.000000E+00	0.906980E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.132189E+05	-.878972E+01	-.571710E-01	0.598480E-05	0.000000E+00
2 MAX CLIMB	0.120292E+05	-.799864E+01	-.520250E-01	0.544617E-05	0.000000E+00
3 GEN. THRUST	-.142055E+05	-.453212E+01	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.166028E+05	-.140302E+04	0.000000E+00	0.000000E+00	

Name: B727-200/JT8D-15
 ID: A/C Number 026
 AC Type: JCOM 3 ENGINES
 Rated Power: 15500 LB

	TOFLAP	B	C	RT
1	25	0.739100E-02	0.365969E+00	0.1178280
2	20	0.771200E-02	0.376653E+00	0.1088970
3	15	0.807800E-02	0.387088E+00	0.1006310
4	5	0.906200E-02	0.409200E+00	0.0949260
5	2	0.000000E+00	0.000000E+00	0.0857000
6	ZERO	0.000000E+00	0.000000E+00	0.0636000

	APPFLAP	D	R
1	D 40	0.372094E+00	0.184387E+00
2	D 30	0.378419E+00	0.143164E+00
3	D 25	0.383689E+00	0.109535E+00
4	U 25	0.000000E+00	0.109535E+00
5	U 15	0.000000E+00	0.899690E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.148298E+05	-.846009E+01	0.233373E+00	-.291450E-04	0.000000E+00
2 MAX CLIMB	0.134210E+05	-.765638E+01	0.211202E+00	-.263762E-04	0.000000E+00
3 GEN. THRUST	-.147737E+05	-.509534E+01	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.177173E+05	-.184507E+04	0.000000E+00	0.000000E+00	

Name: B727-200/JT8D-9
 ID: A/C Number 027
 AC Type: JCOM 3 ENGINES
 Rated Power: 14500 LB

	TOFLAP	B	C	RT
1	25	0.739100E-02	0.365969E+00	0.1178280
2	20	0.771200E-02	0.376653E+00	0.1088970
3	15	0.807800E-02	0.387088E+00	0.1006310
4	5	0.906200E-02	0.409200E+00	0.0949260
5	2	0.000000E+00	0.000000E+00	0.0857000
6	ZERO	0.000000E+00	0.000000E+00	0.0636000

	APPFLAP	D	R
1	D 40	0.359182E+00	0.184273E+00
2	D 30	0.367614E+00	0.142606E+00
3	D 25	0.372885E+00	0.124565E+00
4	U 25	0.000000E+00	0.109315E+00
5	U 15	0.000000E+00	0.905230E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.137056E+05	-.872702E+01	-.527000E-03	-.487510E-05	0.000000E+00
2 MAX CLIMB	0.127462E+05	-.811613E+01	-.490000E-03	-.453384E-05	0.000000E+00
3 GEN. THRUST	-.140954E+05	-.477532E+01	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.166662E+05	-.149042E+04	0.000000E+00	0.000000E+00	

Name: B727-100/JT8D-7QN
 ID: A/C Number 028
 AC Type: JCOM 3 ENGINES
 Rated Power: 14000 LB

	TOFLAP	B	C	RT
1	25	0.738900E-02	0.371567E+00	0.1156230
2	15	0.830100E-02	0.392649E+00	0.0954590
3	5	0.869200E-02	0.415048E+00	0.0889160
4	2	0.000000E+00	0.000000E+00	0.0857000
5	ZERO	0.000000E+00	0.000000E+00	0.0636000

	APPFLAP	D	R
1	D 40	0.335992E+00	0.186604E+00
2	D 30	0.343897E+00	0.145903E+00
3	D 25	0.350485E+00	0.128359E+00
4	U 25	0.000000E+00	0.113154E+00
5	U 15	0.000000E+00	0.906980E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.132189E+05	-.878972E+01	-.571710E-01	0.598480E-05	0.000000E+00
2 MAX CLIMB	0.120292E+05	-.799864E+01	-.520250E-01	0.544617E-05	0.000000E+00
3 GEN. THRUST	-.142055E+05	-.453212E+01	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.166028E+05	-.140302E+04	0.000000E+00	0.000000E+00	

Name: B727-200/JT8D-15QN
 ID: A/C Number 029
 AC Type: JCOM 3 ENGINES
 Rated Power: 15500 LB

	TOFLAP	B	C	RT
1	25	0.739100E-02	0.365969E+00	0.1178280
2	20	0.771200E-02	0.376653E+00	0.1088970
3	15	0.807800E-02	0.387088E+00	0.1006310
4	5	0.906200E-02	0.409200E+00	0.0949260
5	2	0.000000E+00	0.000000E+00	0.0857000
6	ZERO	0.000000E+00	0.000000E+00	0.0636000

	APPFLAP	D	R
1	D 40	0.372094E+00	0.184387E+00
2	D 30	0.378419E+00	0.143164E+00
3	D 25	0.383689E+00	0.109535E+00
4	U 25	0.000000E+00	0.109535E+00
5	U 15	0.000000E+00	0.899690E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.148298E+05	-.846009E+01	0.233373E+00	-.291450E-04	0.000000E+00
2 MAX CLIMB	0.134210E+05	-.765638E+01	0.211202E+00	-.263762E-04	0.000000E+00
3 GEN. THRUST	-.147737E+05	-.509534E+01	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.177173E+05	-.184507E+04	0.000000E+00	0.000000E+00	

Name: B727-200/JT8D-17
 ID: A/C Number 030
 AC Type: JCOM 3 ENGINES
 Rated Power: 16000 LB

	TOFLAP	B	C	RT
1	25	0.739100E-02	0.365969E+00	0.1178280
2	20	0.771200E-02	0.376653E+00	0.1088970
3	15	0.807800E-02	0.387088E+00	0.1006310
4	5	0.906200E-02	0.409200E+00	0.0949260
5	2	0.000000E+00	0.000000E+00	0.0857000
6	ZERO	0.000000E+00	0.000000E+00	0.0636000

	APPFLAP	D	R
1	D 40	0.372094E+00	0.184387E+00
2	D 30	0.378419E+00	0.143164E+00
3	D 25	0.383689E+00	0.124821E+00
4	U 25	0.000000E+00	0.109535E+00
5	U 15	0.000000E+00	0.899690E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.155198E+05	-.846009E+01	0.233373E+00	-.291450E-04	0.000000E+00
2 MAX CLIMB	0.138127E+05	-.752948E+01	0.207702E+00	-.259390E-04	0.000000E+00
3 GEN. THRUST	-.147737E+05	-.509534E+01	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.177173E+05	-.184507E+04	0.000000E+00	0.000000E+00	

Name: A300B4-200/CF6-50C2
 ID: A/C Number 031
 AC Type: JCOM 2 ENGINES
 Rated Power: 52500 LB

	TOFLAP	B	C	RT
1	15	0.402000E-02	0.278999E+00	0.1029350
2	8	0.423900E-02	0.291059E+00	0.0930670
3	1	0.530700E-02	0.324359E+00	0.0902230
4	ZERO	0.000000E+00	0.000000E+00	0.0634910

	APPFLAP	D	R
1	D 25	0.271510E+00	0.125568E+00
2	D 15	0.282370E+00	0.106070E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.493369E+05	-.398243E+02	-.142311E+00	0.712738E-06	0.000000E+00
2 MAX CLIMB	0.434165E+05	-.350000E+02	-.125234E+00	0.627209E-06	0.000000E+00
3 GEN. THRUST	-.132687E+06	-.304092E+02	-.107958E+00	0.402686E-06	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.253575E+04	-.823842E+01	

Name: B767-200/CF6-80A
 ID: A/C Number 032
 AC Type: JCOM 2 ENGINES
 Rated Power: 48000 LB

	TOFLAP	B	C	RT
1	20	0.490000E-02	0.284960E+00	0.0779000
2	15	0.504000E-02	0.292490E+00	0.0740000
3	5	0.530000E-02	0.305760E+00	0.0685000
4	1	0.557000E-02	0.316250E+00	0.0646000
5	ZERO	0.000000E+00	0.000000E+00	0.0489000

	APPFLAP	D	R
1	D 30	0.280960E+00	0.123200E+00
2	D 25	0.290090E+00	0.107500E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.447690E+05	-.483400E+02	0.500000E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.380570E+05	-.432400E+02	0.705000E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.627900E+05	-.350300E+02	-.117700E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	-.161037E+04	0.140000E+02	

Name: B767-200/JT9D-7R4D
 ID: A/C Number 033
 AC Type: JCOM 2 ENGINES
 Rated Power: 48000 LB

	TOFLAP	B	C	RT
1	20	0.417000E-02	0.284960E+00	0.0802000
2	15	0.436000E-02	0.292490E+00	0.0756000
3	5	0.472000E-02	0.305760E+00	0.0705000
4	1	0.504000E-02	0.316250E+00	0.0658000
5	ZERO	0.000000E+00	0.000000E+00	0.0520000

	APPFLAP	D	R
1	D 30	0.280960E+00	0.125800E+00
2	D 25	0.290090E+00	0.108500E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.431900E+05	-.393000E+02	0.876000E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.387000E+05	-.345000E+02	0.490000E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	-.397770E+05	-.173670E+02	-.467000E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.565500E+05	0.000000E+00	0.000000E+00	0.000000E+00	

Name: A310-300/CF6-80C2A2
 ID: A/C Number 034
 AC Type: JCOM 2 ENGINES
 Rated Power: 53500 LB

	TOFLAP	B	C	RT
1	20	0.454300E-02	0.302164E+00	0.1013720
2	15	0.480100E-02	0.313104E+00	0.0996320
3	1	0.550300E-02	0.333474E+00	0.0981780
4	ZERO	0.000000E+00	0.000000E+00	0.0628800

	APPFLAP	D	R
1	D 40	0.286230E+00	0.123397E+00
2	D 20	0.306070E+00	0.990910E-01
3	U 15	0.000000E+00	0.768190E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.494596E+05	-.486464E+02	0.130258E+01	-.272082E-04	0.000000E+00
2 MAX CLIMB	0.435244E+05	-.428000E+02	0.114627E+01	-.239432E-04	0.000000E+00
3 GEN. THRUST	-.320532E+05	-.374574E+02	-.132545E+00	0.408841E-06	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.530300E+03	0.265197E+01	

Name: B737-300/CFM56-3B-1
 ID: A/C Number 035
 AC Type: JCOM 2 ENGINES
 Rated Power: 20000 LB

	TOFLAP	B	C	RT
1	15	0.111000E-01	0.457200E+00	0.0872000
2	5	0.120000E-01	0.477200E+00	0.0791000
3	1	0.126000E-01	0.495800E+00	0.0761000
4	ZERO	0.000000E+00	0.000000E+00	0.0620000

	APPFLAP	D	R
1	D 40	0.421500E+00	0.147100E+00
2	D 30	0.434000E+00	0.124700E+00
3	D 15	0.463900E+00	0.110300E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.187450E+05	-.201200E+02	0.404300E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.174480E+05	-.173200E+02	0.155700E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.111060E+05	-.100900E+02	-.409000E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	-.369800E+03	0.483500E+01	

Name: B737-300/CFM56-3B-2
 ID: A/C Number 036
 AC Type: JCOM 2 ENGINES
 Rated Power: 22000 LB

	TOFLAP	B	C	RT
1	15	0.110000E-01	0.457500E+00	0.0872000
2	5	0.117000E-01	0.478400E+00	0.0794000
3	1	0.124000E-01	0.495800E+00	0.0761000
4	ZERO	0.000000E+00	0.000000E+00	0.0620000

	APPFLAP	D	R
1	D 40	0.421500E+00	0.147100E+00
2	D 30	0.434000E+00	0.124700E+00
3	D 15	0.463900E+00	0.110300E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.207580E+05	-.206500E+02	0.217200E+00	0.000000E+00	-.241800E+01
2 MAX CLIMB	0.188590E+05	-.179100E+02	0.195300E+00	0.000000E+00	-.203400E+01
3 GEN. THRUST	0.111060E+05	-.100900E+02	-.409000E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	-.369800E+03	0.483500E+01	

Name: BAC111/SPEY MK511-14
 ID: A/C Number 037
 AC Type: JCOM 2 ENGINES
 Rated Power: 11400 LB

	TOFLAP	B	C	RT
1	8	0.156900E-01	0.543820E+00	0.0821790
2	INT1	0.000000E+00	0.000000E+00	0.0735900
3	ZERO	0.000000E+00	0.000000E+00	0.0650000

	APPFLAP	D	R
1	D 45	0.490760E+00	0.139207E+00
2	U INT	0.000000E+00	0.106398E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.111681E+05	-.670084E+01	-.223360E-01	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.982790E+04	-.589674E+01	-.196560E-01	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: F28-2000/RB183MK555
 ID: A/C Number 038
 AC Type: JCOM 2 ENGINES
 Rated Power: 9850 LB

	TOFLAP	B	C	RT
1	6	0.171000E-01	0.602700E+00	0.0793000
2	INT2	0.000000E+00	0.000000E+00	0.1033000
3	ZERO	0.000000E+00	0.000000E+00	0.0819000

	APPFLAP	D	R
1	D 42	0.533400E+00	0.167700E+00
2	U INTR	0.000000E+00	0.124800E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.985100E+04	-.768000E+01	0.889000E-01	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.840800E+04	-.472000E+01	0.104800E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: F28-4000/RB183MK555
 ID: A/C Number 039
 AC Type: JCOM 2 ENGINES
 Rated Power: 9900 LB

	TOFLAP	B	C	RT
1	6	0.151500E-01	0.573100E+00	0.0749000
2	INT2	0.000000E+00	0.000000E+00	0.0971000
3	ZERO	0.000000E+00	0.000000E+00	0.0755000

	APPFLAP	D	R
1	D 42	0.514900E+00	0.161900E+00
2	U INTR	0.000000E+00	0.118700E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.990500E+04	-.744500E+01	0.765000E-01	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.845900E+04	-.487400E+01	0.997000E-01	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: DC9-30/JT8D-9
 ID: A/C Number 040
 AC Type: JCOM 2 ENGINES
 Rated Power: 14500 LB

	TOFLAP	B	C	RT
1	15	0.105070E-01	0.471774E+00	0.0924890
2	5	0.120980E-01	0.489900E+00	0.0849850
3	INT	0.000000E+00	0.000000E+00	0.0767010
4	ZERO	0.000000E+00	0.000000E+00	0.0684160

	APPFLAP	D	R
1	D 50	0.438965E+00	0.165052E+00
2	U 50	0.000000E+00	0.155925E+00
3	D 35	0.470211E+00	0.135075E+00
4	U 35	0.000000E+00	0.131559E+00
5	U 15	0.000000E+00	0.924890E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.129720E+05	-.231038E+01	-.825600E-02	0.413490E-07	0.000000E+00
2 MAX CLIMB	0.115618E+05	-.294773E+01	-.105340E-01	0.527560E-07	0.000000E+00
3 GEN. THRUST	-.135232E+05	-.266888E+01	-.925050E-02	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.158036E+05	-.125794E+04	0.000000E+00	0.000000E+00	

Name: DC9-10/JT8D-7
 ID: A/C Number 041
 AC Type: JCOM 2 ENGINES
 Rated Power: 14000 LB

	TOFLAP	B	C	RT
1	15	0.106180E-01	0.477234E+00	0.0879630
2	5	0.129960E-01	0.495570E+00	0.0775700
3	INT	0.000000E+00	0.000000E+00	0.0767530
4	ZERO	0.000000E+00	0.000000E+00	0.0759350

	APPFLAP	D	R
1	D 50	0.445486E+00	0.157948E+00
2	U 50	0.000000E+00	0.153365E+00
3	D 35	0.480101E+00	0.134177E+00
4	U 35	0.000000E+00	0.130625E+00
5	U 15	0.000000E+00	0.879630E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.123082E+05	-.478000E+00	0.170800E-02	0.855000E-08	0.000000E+00
2 MAX CLIMB	0.111943E+05	-.302740E+01	-.108180E-01	0.541810E-07	0.000000E+00
3 GEN. THRUST	-.105965E+05	-.151369E+01	-.524660E-02	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.115417E+05	0.162698E+03	0.000000E+00	0.000000E+00	

Name: B737/JT8D-9
 ID: A/C Number 042
 AC Type: JCOM 2 ENGINES
 Rated Power: 14500 LB

	TOFLAP	B	C	RT
1	25	0.102930E-01	0.436124E+00	0.1099930
2	10	0.109350E-01	0.457438E+00	0.0931920
3	5	0.115930E-01	0.475473E+00	0.0852350
4	INT	0.000000E+00	0.000000E+00	0.0747700
5	ZERO	0.000000E+00	0.000000E+00	0.0643000

	APPFLAP	D	R
1	D 40	0.432682E+00	0.155057E+00
2	D 30	0.442783E+00	0.124898E+00
3	D 25	0.452885E+00	0.113106E+00
4	U 25	0.000000E+00	0.976870E-01
5	U 15	0.000000E+00	0.886170E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.138479E+05	-.862596E+01	-.289390E-01	-.464800E-06	0.000000E+00
2 MAX CLIMB	0.127401E+05	-.793589E+01	-.266230E-01	-.427620E-06	0.000000E+00
3 GEN. THRUST	-.140954E+05	-.477532E+01	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.166662E+05	-.149042E+04	0.000000E+00	0.000000E+00	

Name: DC9-30/JT8D-9QN
 ID: A/C Number 043
 AC Type: JCOM 2 ENGINES
 Rated Power: 14500 LB

	TOFLAP	B	C	RT
1	15	0.105070E-01	0.471774E+00	0.0924890
2	5	0.120980E-01	0.489900E+00	0.0849850
3	INT	0.000000E+00	0.000000E+00	0.0767010
4	ZERO	0.000000E+00	0.000000E+00	0.0684160

	APPFLAP	D	R
1	D 50	0.438965E+00	0.165052E+00
2	U 50	0.000000E+00	0.155925E+00
3	D 35	0.470211E+00	0.135075E+00
4	U 35	0.000000E+00	0.131559E+00
5	U 15	0.000000E+00	0.924890E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.129720E+05	-.231038E+01	-.825600E-02	0.413490E-07	0.000000E+00
2 MAX CLIMB	0.115618E+05	-.294773E+01	-.105340E-01	0.527560E-07	0.000000E+00
3 GEN. THRUST	-.135232E+05	-.266888E+01	-.925050E-02	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.158036E+05	-.125794E+04	0.000000E+00	0.000000E+00	

Name: DC9-10/JT8D-7QN
 ID: A/C Number 044
 AC Type: JCOM 2 ENGINES
 Rated Power: 14000 LB

	TOFLAP	B	C	RT
1	15	0.106180E-01	0.477234E+00	0.0879630
2	5	0.129960E-01	0.495570E+00	0.0775700
3	INT	0.000000E+00	0.000000E+00	0.0767530
4	ZERO	0.000000E+00	0.000000E+00	0.0759350

	APPFLAP	D	R
1	D 50	0.445486E+00	0.157948E+00
2	U 50	0.000000E+00	0.153365E+00
3	D 35	0.480101E+00	0.134177E+00
4	U 35	0.000000E+00	0.130625E+00
5	U 15	0.000000E+00	0.879630E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.123082E+05	-.478000E+00	0.170800E-02	0.855000E-08	0.000000E+00
2 MAX CLIMB	0.111943E+05	-.302740E+01	-.108180E-01	0.541810E-07	0.000000E+00
3 GEN. THRUST	-.105965E+05	-.151369E+01	-.524660E-02	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.115417E+05	0.162698E+03	0.000000E+00	0.000000E+00	

Name: B737/JT8D-9QN
 ID: A/C Number 045
 AC Type: JCOM 2 ENGINES
 Rated Power: 14500 LB

	TOFLAP	B	C	RT
1	25	0.102930E-01	0.436124E+00	0.1099930
2	10	0.109350E-01	0.457438E+00	0.0931920
3	5	0.115930E-01	0.475473E+00	0.0852350
4	INT	0.000000E+00	0.000000E+00	0.0747700
5	ZERO	0.000000E+00	0.000000E+00	0.0643000

	APPFLAP	D	R
1	D 40	0.432682E+00	0.155057E+00
2	D 30	0.442783E+00	0.124898E+00
3	D 25	0.452885E+00	0.113106E+00
4	U 25	0.000000E+00	0.976870E-01
5	U 15	0.000000E+00	0.886170E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.138479E+05	-.862596E+01	-.289390E-01	-.464300E-06	0.000000E+00
2 MAX CLIMB	0.127401E+05	-.793539E+01	-.266230E-01	-.427620E-06	0.000000E+00
3 GEN. THRUST	-.140954E+05	-.477532E+01	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.166662E+05	-.149042E+04	0.000000E+00	0.000000E+00	

Name: DC9-50/JT8D-17
 ID: A/C Number 046
 AC Type: JCOM 2 ENGINES
 Rated Power: 16000 LB

	TOFLAP	B	C	RT
1	15	0.105070E-01	0.471774E+00	0.0924890
2	5	0.120980E-01	0.489900E+00	0.0849850
3	INTR	0.000000E+00	0.000000E+00	0.0767010
4	ZERO	0.000000E+00	0.000000E+00	0.0684160

	APPFLAP	D	R
1	D 50	0.442406E+00	0.160018E+00
2	U 50	0.000000E+00	0.155399E+00
3	D 35	0.468147E+00	0.135234E+00
4	U 35	0.000000E+00	0.131677E+00
5	U 15	0.000000E+00	0.924890E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.146985E+05	-.213511E+01	-.762980E-02	0.382120E-07	0.000000E+00
2 MAX CLIMB	0.123654E+05	-.254939E+01	-.911020E-02	0.456270E-07	0.000000E+00
3 GEN. THRUST	-.135232E+05	-.266888E+01	-.925050E-02	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.158036E+05	-.125794E+04	0.000000E+00	0.000000E+00	

Name: B737-200/JT8D-17
 ID: A/C Number 047
 AC Type: JCOM 2 ENGINES
 Rated Power: 16000 LB

	TOFLAP	B	C	RT
1	25	0.104060E-01	0.436124E+00	0.1087800
2	10	0.109560E-01	0.456114E+00	0.0963640
3	5	0.116770E-01	0.473007E+00	0.0874240
4	INT	0.000000E+00	0.000000E+00	0.0758600
5	ZERO	0.000000E+00	0.000000E+00	0.0643000

	APPFLAP	D	R
1	D 40	0.434096E+00	0.156502E+00
2	D 30	0.443779E+00	0.125252E+00
3	D 25	0.451848E+00	0.113169E+00
4	U 25	0.000000E+00	0.971270E-01
5	U 15	0.000000E+00	0.106085E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.155198E+05	-.846009E+01	0.233373E+00	-.291450E-04	0.000000E+00
2 MAX CLIMB	0.130832E+05	-.713185E+01	0.196733E+00	-.245690E-04	0.000000E+00
3 GEN. THRUST	-.147737E+05	-.509534E+01	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.177173E+05	-.184507E+04	0.000000E+00	0.000000E+00	

Name: MD-81/JT8D-209
 ID: A/C Number 048
 AC Type: JCOM 2 ENGINES
 Rated Power: 19300 LB

	TOFLAP	B	C	RT
1	11	0.927600E-02	0.424700E+00	0.0771900
2	INT1	0.000000E+00	0.000000E+00	0.0764300
3	INT2	0.000000E+00	0.000000E+00	0.0631300
4	INT3	0.000000E+00	0.000000E+00	0.0615600
5	INT4	0.000000E+00	0.000000E+00	0.0636600
6	ZERO	0.000000E+00	0.000000E+00	0.0676100

	APPFLAP	D	R
1	D 40	0.401500E+00	0.131300E+00
2	D 28	0.000000E+00	0.000000E+00
3	U INTR	0.000000E+00	0.104200E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.179000E+05	-.150000E+02	0.200000E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.160180E+05	-.625000E+01	0.167000E+00	0.000000E+00	-.105000E+03
3 GEN. THRUST	-.153840E+05	-.100000E+02	0.190000E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.179170E+05	0.000000E+00	0.000000E+00	0.000000E+00	

Name: MD-82/JT8D-217A
 ID: A/C Number 049
 AC Type: JCOM 2 ENGINES
 Rated Power: 20900 LB

	TOFLAP	B	C	RT
1	11	0.924800E-02	0.423600E+00	0.0796900
2	INT1	0.000000E+00	0.000000E+00	0.0762500
3	INT2	0.000000E+00	0.000000E+00	0.0633700
4	INT3	0.000000E+00	0.000000E+00	0.0619600
5	INT4	0.000000E+00	0.000000E+00	0.0634000
6	ZERO	0.000000E+00	0.000000E+00	0.0664300

	APPFLAP	D	R
1	D 40	0.401300E+00	0.131300E+00
2	D 28	0.000000E+00	0.000000E+00
3	U INTR	0.000000E+00	0.105500E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.193500E+05	-.150000E+02	0.200000E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.180100E+05	-.900000E+01	0.195000E+00	0.000000E+00	-.109300E+03
3 GEN. THRUST	-.134880E+05	-.100000E+02	0.250000E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.167500E+05	0.000000E+00	0.000000E+00	0.000000E+00	

Name: MD-83/JT8D-219
 ID: A/C Number 050
 AC Type: JCOM 2 ENGINES
 Rated Power: 21700 LB

	TOFLAP	B	C	RT
1	11	0.930100E-02	0.422700E+00	0.0798000
2	INT1	0.000000E+00	0.000000E+00	0.0766600
3	INT2	0.000000E+00	0.000000E+00	0.0627400
4	INT3	0.000000E+00	0.000000E+00	0.0624700
5	INT4	0.000000E+00	0.000000E+00	0.0623600
6	ZERO	0.000000E+00	0.000000E+00	0.0657300

	APPFLAP	D	R
1	D 40	0.399300E+00	0.130800E+00
2	D 28	0.000000E+00	0.000000E+00
3	U INTR	0.000000E+00	0.105300E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.204000E+05	-.150000E+02	0.100000E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.177420E+05	-.720000E+01	0.260000E+00	0.000000E+00	-.775000E+02
3 GEN. THRUST	-.138450E+05	-.133300E+02	0.190000E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.175000E+05	0.000000E+00	0.000000E+00	0.000000E+00	

Name: B757-200/RB211-535E4
 ID: A/C Number 051
 AC Type: JCOM 2 ENGINES
 Rated Power: 40100 LB

	TOFLAP	B	C	RT
1	20	0.570000E-02	0.330000E+00	0.0847000
2	15	0.614000E-02	0.345400E+00	0.0758000
3	5	0.669000E-02	0.362700E+00	0.0700000
4	INT	0.000000E+00	0.000000E+00	0.0621000
5	ZERO	0.000000E+00	0.000000E+00	0.0541000

	APPFLAP	D	R
1	D 30	0.319100E+00	0.133700E+00
2	D 25	0.323800E+00	0.117800E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.370920E+05	-.335000E+02	0.399800E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.293500E+05	-.295000E+02	0.415300E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	-.449070E+05	-.219700E+02	-.589000E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.469990E+05	0.000000E+00	0.000000E+00	0.000000E+00	

Name: B757-200/PW2037
 ID: A/C Number 052
 AC Type: JCOM 2 ENGINES
 Rated Power: 38300 LB

	TOFLAP	B	C	RT
1	20	0.573000E-02	0.330000E+00	0.0864000
2	15	0.611000E-02	0.345400E+00	0.0782000
3	5	0.685000E-02	0.362700E+00	0.0722000
4	INT	0.000000E+00	0.000000E+00	0.0635000
5	ZERO	0.000000E+00	0.000000E+00	0.0548000

	APPFLAP	D	R
1	D 30	0.317900E+00	0.134200E+00
2	D 25	0.323400E+00	0.118600E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.358660E+05	-.397200E+02	0.680600E+00	0.000000E+00	-.837100E+00
2 MAX CLIMB	0.287650E+05	-.320000E+02	0.401500E+00	0.000000E+00	0.147100E+00
3 GEN. THRUST	-.449510E+05	-.830000E+00	0.198000E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.529720E+05	0.000000E+00	0.000000E+00	0.000000E+00	

Name: 1985 BUSINESS JET
 ID: A/C Number 053
 AC Type: JGA 2 ENGINES
 Rated Power: 3600 LB
 100% Thrust: 2900 LB

	TOFLAP	B	C	RT
1	20	0.433220E-01	0.100370E+01	0.1113700
2	10	0.000000E+00	0.000000E+00	0.0906850
3	ZERO	0.000000E+00	0.000000E+00	0.0700000

	APPFLAP	D	R
1	D 40	0.102700E+01	0.148920E+00
2	D INTR	0.000000E+00	0.130145E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.336600E+04	-.388800E+01	0.690000E-01	-.131400E-05	0.000000E+0
2 MAX CLIMB	0.302940E+04	-.349920E+01	0.621000E-01	-.118260E-05	0.000000E+0
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+0
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: LEAR 36/TFE731-2
 ID: A/C Number 054
 AC Type: JGA 2 ENGINES
 Rated Power: 3500 LB

	TOFLAP	B	C	RT
1	20	0.438030E-01	0.105985E+01	0.1082240
2	10	0.000000E+00	0.000000E+00	0.0891120
3	ZERO	0.000000E+00	0.000000E+00	0.0700000

	APPFLAP	D	R
1	D 40	0.108756E+01	0.150688E+00
2	D INTR	0.000000E+00	0.129456E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.341220E+04	-.388800E+01	-.441000E-02	0.154350E-05	0.000000E+0
2 MAX CLIMB	0.307100E+04	-.349920E+01	-.397000E-02	0.138915E-05	0.000000E+0
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+0
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: LEAR 25/CJ610-8
 ID: A/C Number 055
 AC Type: JGA 2 ENGINES
 Rated Power: 2950 LB

	TOFLAP	B	C	RT
1	20	0.828660E-01	0.127373E+01	0.1233400
2	10	0.000000E+00	0.000000E+00	0.0966700
3	ZERO	0.000000E+00	0.000000E+00	0.0700000

	APPFLAP	D	R
1	D 40	0.128239E+01	0.176632E+00
2	D INTR	0.000000E+00	0.149986E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.284540E+04	-.203911E+01	-.167680E-01	0.217680E-05	0.000000E+00
2 MAX CLIMB	0.256090E+04	-.183520E+01	-.150910E-01	0.195912E-05	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: CIT 2/JT15D-4
 ID: A/C Number 057
 AC Type: JGA 2 ENGINES
 Rated Power: 2500 LB

	TOFLAP	B	C	RT
1	12	0.543420E-01	0.956752E+00	0.0905640
2	1	0.000000E+00	0.000000E+00	0.0802820
3	ZERO	0.000000E+00	0.000000E+00	0.0700000

	APPFLAP	D	R
1	D 35	0.991547E+00	0.147335E+00
2	D INTR	0.000000E+00	0.113809E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.213283E+04	-.221793E+01	0.683330E-01	-.267224E-05	0.000000E+00
2 MAX CLIMB	0.191950E+04	-.199614E+01	0.615000E-01	-.240502E-05	0.000000E+00
3 GEN. THRUST	0.174311E+04	-.164678E+01	-.201400E-02	-.156420E-06	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	-.496794E+02	0.545000E+00	

Name: CL600/ALF502L
 ID: A/C Number 058
 AC Type: JGA 2 ENGINES
 Rated Power: 7500 LB

	TOFLAP	B	C	RT
1	20	0.282250E-01	0.780719E+00	0.0884920
2	10	0.000000E+00	0.000000E+00	0.0792460
3	ZERO	0.000000E+00	0.000000E+00	0.0700000

	APPFLAP	D	R
1	D 45	0.766248E+00	0.169002E+00
2	D INTR	0.000000E+00	0.128747E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.615920E+04	-.628240E+01	0.938000E-01	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.554330E+04	-.565420E+01	0.844200E-01	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: GIIB/SPEY MK511-8
 ID: A/C Number 059
 AC Type: JGA 2 ENGINES
 Rated Power: 11400 LB

	TOFLAP	B	C	RT
1	20	0.176230E-01	0.594725E+00	0.0952120
2	INTR	0.000000E+00	0.000000E+00	0.0826060
3	ZERO	0.000000E+00	0.000000E+00	0.0700000

	APPFLAP	D	R
1	D 30	0.606116E+00	0.149611E+00
2	D 20	0.632990E+00	0.104748E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.111681E+05	-.670084E+01	-.223360E-01	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.982790E+04	-.589674E+01	-.196560E-01	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: MU300-10/JT15D-4
 ID: A/C Number 060
 AC Type: JGA 2 ENGINES
 Rated Power: 2500 LB

	TOFLAP	B	C	RT
1	10	0.553180E-01	0.107290E+01	0.0928500
2	1	0.657030E-01	0.115290E+01	0.0818800
3	ZERO	0.000000E+00	0.000000E+00	0.0700000

	APPFLAP	D	R
1	D 30	0.107308E+01	0.147487E+00
2	D INTR	0.000000E+00	0.114684E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.213283E+04	-.221793E+01	0.683330E-01	-.267224E-05	0.000000E+00
2 MAX CLIMB	0.191950E+04	-.199614E+01	0.615000E-01	-.240502E-05	0.000000E+00
3 GEN. THRUST	0.174311E+04	-.164678E+01	-.201400E-02	-.156420E-06	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	-.496794E+02	0.545000E+00	

Name: CL601/CF34-3A
 ID: A/C Number 061
 AC Type: JGA 2 ENGINES
 Rated Power: 9220 LB

	TOFLAP	B	C	RT
1	20	0.321830E-01	0.780565E+00	0.0816090
2	10	0.000000E+00	0.000000E+00	0.0758050
3	ZERO	0.000000E+00	0.000000E+00	0.0700000

	APPFLAP	D	R
1	D 45	0.769487E+00	0.163669E+00
2	D INTR	0.000000E+00	0.122639E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.724140E+04	-.738620E+01	0.108620E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.651730E+04	-.664760E+01	0.977600E-01	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: ASTRA 1125/TFE731-3A
 ID: A/C Number 062
 AC Type: JGA 2 ENGINES
 Rated Power: 3700 LB

	TOFLAP	B	C	RT
1	12	0.407450E-01	0.963488E+00	0.1008430
2	INTR	0.000000E+00	0.000000E+00	0.0854220
3	ZERO	0.000000E+00	0.000000E+00	0.0700000

	APPFLAP	D	R
1	D 40	0.967478E+00	0.136393E+00
2	D INTR	0.000000E+00	0.118618E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.346050E+04	-.388800E+01	0.458340E-01	-.313320E-05	0.000000E+00
2 MAX CLIMB	0.311440E+04	-.349920E+01	0.412500E-01	-.281988E-05	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: L188C/ALL 501-D13
 ID: A/C Number 063
 AC Type: PCOM 4 ENGINES
 Rated Power: 3750 SHP
 100% Thrust: 8000 LB

	TOFLAP	B	C	RT
1	78 %	0.102650E-01	0.404302E+00	0.1599740
2	39 %	0.999500E-02	0.420533E+00	0.1429920
3	INTR	0.000000E+00	0.000000E+00	0.1209870
4	ZERO	0.000000E+00	0.000000E+00	0.0820000

	APPFLAP	D	R
1	D 78 %	0.456156E+00	0.122326E+00
2	D 100 %	0.436792E+00	0.174786E+00

PROPELLER EFFICIENCY COEFFICIENT = .9 .9
 INSTALLED NET PROPULSIVE POWER = 3460 3180

Name: DASH 8-100/PW121
 ID: A/C Number 064
 AC Type: JCOM 2 ENGINES
 Rated Power: 1950 LB
 100% Thrust: 4750 LB

	TOFLAP	B	C	RT
1	15	0.173610E-01	0.566680E+00	0.0851900
2	5	0.172890E-01	0.613420E+00	0.0780800
3	ZERO	0.000000E+00	0.000000E+00	0.0724240

	APPFLAP	D	R
1	D 35	0.509610E+00	0.100860E+00
2	D 15	0.549690E+00	0.923350E-01
3	U 15	0.000000E+00	0.802040E-01
4	D 5	0.601230E+00	0.877450E-01
5	U 5	0.000000E+00	0.736470E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.702624E+04	-.238272E+02	0.980360E-01	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.632362E+04	-.214445E+02	0.882324E-01	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.201070E+04	-.194090E+02	0.774300E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.546666E+02	-.828000E-01	

Name: DASH 7/PT6A-50
 ID: A/C Number 065
 AC Type: PCOM 4 ENGINES
 Rated Power: 1174 SHP
 100% Thrust: 2850 LB

	TOFLAP	B	C	RT
1	25	0.955600E-02	0.466702E+00	0.1592660
2	10	0.000000E+00	0.000000E+00	0.1171330
3	ZERO	0.000000E+00	0.000000E+00	0.0750000

	APPFLAP	D	R
1	D 25	0.513530E+00	0.127688E+00
2	D INTR	0.000000E+00	0.117133E+00

PROPELLER EFFICIENCY COEFFICIENT = .9 .9
 INSTALLED NET PROPULSIVE POWER = 940 846

Name: CV580/ALL 501-D15
 ID: A/C Number 066
 AC Type: PCOM 2 ENGINES
 Rated Power: 3750 SHP
 100% Thrust: 8100 LB

	TOFLAP	B	C	RT
1	10	0.283030E-01	0.540116E+00	0.1307170
2	INTR	0.000000E+00	0.000000E+00	0.1028580
3	ZERO	0.000000E+00	0.000000E+00	0.0750000

	APPFLAP	D	R
1	D 40	0.491380E+00	0.124222E+00
2	D 28	0.519720E+00	0.118937E+00

PROPELLER EFFICIENCY COEFFICIENT = .85 .85
 INSTALLED NET PROPULSIVE POWER = 3800 3344

Name: HS748/DART MK532-2
 ID: A/C Number 067
 AC Type: PCOM 2 ENGINES
 Rated Power: 2280 SHP
 100% Thrust: 5150 LB

	TOFLAP	B	C	RT
1	TO	0.122710E-01	0.542574E+00	0.1013510
2	INTR	0.000000E+00	0.000000E+00	0.0881760
3	ZERO	0.000000E+00	0.000000E+00	0.0750000

	APPFLAP	D	R
1	D 30	0.458130E+00	0.138490E+00
2	D INTR	0.000000E+00	0.106745E+00

PROPELLER EFFICIENCY COEFFICIENT = .9 .9
 INSTALLED NET PROPULSIVE POWER = 2006 1805

Name: SD330/PT6A-45AR
ID: A/C Number 068
AC Type: PCOM 2 ENGINES
Rated Power: 1254 SHP
100% Thrust: 2670 LB

	TOFLAP	B	C	RT
1	10	0.317620E-01	0.727556E+00	0.1381930
2	INTR	0.000000E+00	0.000000E+00	0.1065960
3	ZERO	0.000000E+00	0.000000E+00	0.0750000

	APPFLAP	D	R
1	D 35	0.702872E+00	0.143475E+00
2	D 15	0.746802E+00	0.109263E+00

PROPELLER EFFICIENCY COEFFICIENT = .9 .9
INSTALLED NET PROPULSIVE POWER = 1080 972

Name: DASH 6/PT6A-27
ID: A/C Number 069
AC Type: PCOM 2 ENGINES
Rated Power: 652 SHP
100% Thrust: 2000 LB

	TOFLAP	B	C	RT
1	TO	0.310320E-01	0.787095E+00	0.1054430
2	INTR	0.000000E+00	0.000000E+00	0.0902220
3	ZERO	0.000000E+00	0.000000E+00	0.0750000

	APPFLAP	D	R
1	D L	0.577068E+00	0.176949E+00
2	D INTR	0.000000E+00	0.125975E+00

PROPELLER EFFICIENCY COEFFICIENT = .9 .9
INSTALLED NET PROPULSIVE POWER = 587 557.5

Name: DC6/R2800-CB17
 ID: A/C Number 070
 AC Type: PCOM 4 ENGINES
 Rated Power: 2500 SHP
 100% Thrust: 4180 LB

	TOFLAP	B	C	RT
1	TO	0.782900E-02	0.430006E+00	0.0820400
2	ZERO	0.000000E+00	0.000000E+00	0.0780000

	APPFLAP	D	R
1	D L	0.294594E+00	0.125979E+00
2	D INTR	0.000000E+00	0.101990E+00

PROPELLER EFFICIENCY COEFFICIENT = .9 .9
 INSTALLED NET PROPULSIVE POWER = 1900 1750

Name: DC3/R1820-86
 ID: A/C Number 071
 AC Type: PCOM 2 ENGINES
 Rated Power: 1425 SHP
 100% Thrust: 3120 LB

	TOFLAP	B	C	RT
1	ZERO	0.198370E-01	0.619256E+00	0.1237840
2	ZERO	0.000000E+00	0.000000E+00	0.1115000

	APPFLAP	D	R
1	D 45	0.597793E+00	0.155222E+00
2	U INT	0.000000E+00	0.133361E+00

PROPELLER EFFICIENCY COEFFICIENT = .85 .85
 INSTALLED NET PROPULSIVE POWER = 1302 1130

Name: SF340B/CT7-9B
 ID: A/C Number 072
 AC Type: PCOM 2 ENGINES
 Rated Power: 1750 SHP
 100% Thrust: 4067 LB

	TOFLAP	B	C	RT
1	15	0.263030E-01	0.746174E+00	0.1366620
2	5	0.000000E+00	0.000000E+00	0.1058310
3	ZERO	0.000000E+00	0.000000E+00	0.0750000

	APPFLAP	D	R
1	D 35	0.756740E+00	0.147912E+00
2	D INTR	0.000000E+00	0.111456E+00

PROPELLER EFFICIENCY COEFFICIENT = .9 .9
 INSTALLED NET PROPULSIVE POWER = 1763 1587

Name: CONQUEST II/TPE331-8
 ID: A/C Number 073
 AC Type: PCOM 2 ENGINES
 Rated Power: 635.6 SHP
 100% Thrust: 1535 LB

	TOFLAP	B	C	RT
1	TO	0.727220E-01	0.110834E+01	0.1202220
2	ZERO	0.000000E+00	0.000000E+00	0.0965180

	APPFLAP	D	R
1	D L	0.102329E+01	0.162936E+00
2	D INTR	0.000000E+00	0.141579E+00

PROPELLER EFFICIENCY COEFFICIENT = .9 .9
 INSTALLED NET PROPULSIVE POWER = 635.5 620

Name: 1985 1-ENG VP PROP
 ID: A/C Number 074
 AC Type: PGA 1 ENGINES
 Rated Power: 260 SHP
 100% Thrust: 790 LB

	TOFLAP	B	C	RT
1	20	0.908860E-01	0.101538E+01	0.1523330
2	INTR	0.000000E+00	0.000000E+00	0.1256000
3	ZERO	0.000000E+00	0.000000E+00	0.1121900

	APPFLAP	D	R
1	D 40	0.126923E+01	0.182174E+00

PROPELLER EFFICIENCY COEFFICIENT = .85 .85
 INSTALLED NET PROPULSIVE POWER = 260 242

Name: 1985 1-ENG FP PROP
 ID: A/C Number 075
 AC Type: PGA 1 ENGINES
 Rated Power: 150 SHP
 100% Thrust: 560 LB

	TOFLAP	B	C	RT
1	UP	0.965860E-01	0.132447E+01	0.1523330
2	ZERO	0.000000E+00	0.000000E+00	0.1326580

	APPFLAP	D	R
1	D 40	0.131853E+01	0.166858E+00

PROPELLER EFFICIENCY COEFFICIENT = .85 .85
 INSTALLED NET PROPULSIVE POWER = 142 133

Name: BARON 58P/TS10-520-L
ID: A/C Number 076
AC Type: PGA 2 ENGINES
Rated Power: 310 SHP
100% Thrust: 779.05 LB

	TOFLAP	B	C	RT
1	TO	0.100258E+00	0.128098E+01	0.1377000
2	ZERO	0.000000E+00	0.000000E+00	0.1253810

	APPFLAP	D	R
1	D 30	0.133492E+01	0.160000E+00
2	D 15	0.000000E+00	0.148850E+00

PROPELLER EFFICIENCY COEFFICIENT = .9 .9
INSTALLED NET PROPULSIVE POWER = 310 261.3

Name: 1985 1-ENG COMP
ID: A/C Number 077
AC Type: PGA 1 ENGINES
Rated Power: 165 SHP
100% Thrust: 605 LB

	TOFLAP	B	C	RT
1	UP	0.910000E-01	0.119440E+01	0.1484000
2	ZERO	0.000000E+00	0.000000E+00	0.1288000

	APPFLAP	D	R
1	D 40	0.126560E+01	0.172600E+00

PROPELLER EFFICIENCY COEFFICIENT = .85 .85
INSTALLED NET PROPULSIVE POWER = 165 154

Name: KC135A/J57-P-59W
 ID: A/C Number 078
 AC Type: JMIL 4 ENGINES
 Rated Power: 11750 LB

	TOFLAP	B	C	RT
1	30	0.714200E-02	0.330709E+00	0.0914500
2	20	0.700200E-02	0.341600E+00	0.0841010
3	INTR	0.000000E+00	0.000000E+00	0.0803500
4	ZERO	0.000000E+00	0.000000E+00	0.0543000

	APPFLAP	D	R
1	D 50	0.346754E+00	0.139200E+00
2	D 40	0.368841E+00	0.129000E+00
3	D 30	0.390927E+00	0.106400E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.107837E+05	-.447802E+01	0.128830E+00	0.291940E-05	0.000000E
2 MAX CLIMB	0.919920E+04	-.380630E+01	0.109505E+00	0.248150E-05	0.000000E
3 GEN. THRUST	659231E+04	0.516133E+00	0.179780E-02	0.000000E+00	0.000000E
	K1a	K1b	K2	K3	
	0.673534E+04	0.378396E+00	0.000000E+00	0.000000E+00	

Name: F-4C/J79-GE-15
 ID: A/C Number 079
 AC Type: JMIL 2 ENGINES
 Rated Power: 10900 LB

	TOFLAP	B	C	RT
1	HALF	0.464130E-01	0.811278E+00	0.1739000
2	INTR	0.000000E+00	0.000000E+00	0.1576000
3	ZERO	0.000000E+00	0.000000E+00	0.1310000

	APPFLAP	D	R
1	D-FULL	0.807500E+00	0.294800E+00
2	D-HALF	0.874500E+00	0.199600E+00
3	U-HALF	0.000000E+00	0.159500E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.163682E+05	-.679700E+01	0.195500E+00	0.443130E-05	0.000000
2 MAX CLIMB	0.104949E+05	-.435810E+01	0.125380E+00	0.284120E-05	0.000000
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: A-7D,E/TF-41-A-1
 ID: A/C Number 080
 AC Type: JMIL 1 ENGINES
 Rated Power: 14500 LB

	TOFLAP	B	C	RT
1	35	0.515860E-01	0.909688E+00	0.0793710
2	INTRA	0.000000E+00	0.000000E+00	0.0712900
3	ZERO	0.000000E+00	0.000000E+00	0.0529140

	APPFLAP	D	R
1	D MAX	0.838525E+00	0.143322E+00
2	D ZERO	0.102300E+01	0.896650E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.139611E+05	-.579744E+01	0.166790E+00	0.377961E-05	0.000000E+00
2 MAX CLIMB	0.128442E+05	-.533364E+01	0.153447E+00	0.347724E-05	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: C-130H/T56-A-15
 ID: A/C Number 081
 AC Type: PMIL 4 ENGINES
 Rated Power: 4680 SHP
 100% Thrust: 8026 LB

	TOFLAP	B	C	RT
1	17	0.909600E-02	0.364536E+00	0.1099960
2	ZERO	0.000000E+00	0.000000E+00	0.0800000

	APPFLAP	D	R
1	D 35	0.389664E+00	0.108899E+00
2	U INTR	0.000000E+00	0.944500E-01

PROPELLER EFFICIENCY COEFFICIENT = .85 .85
 INSTALLED NET PROPULSIVE POWER = 4205 3575

Name: C-130E/T56-A-7
 ID: A/C Number 082
 AC Type: PMIL 4 ENGINES
 Rated Power: 4050 SHP
 100% Thrust: 7063 LB

	TOFLAP	B	C	RT
1	17	0.909600E-02	0.364536E+00	0.1099960
2	ZERO	0.000000E+00	0.000000E+00	0.0800000

	APPFLAP	D	R
1	D 35	0.389664E+00	0.108899E+00
2	U INTR	0.000000E+00	0.944500E-01

PROPELLER EFFICIENCY COEFFICIENT = .85 .85
 INSTALLED NET PROPULSIVE POWER = 3700 3200

Name: B747-200/JT9D-7A
 ID: A/C Number 083
 AC Type: JCOM 4 ENGINES
 Rated Power: 46300 LB

	TOFLAP	B	C	RT
1	20	0.218600E-01	0.202900E+00	0.0972800
2	10	0.234000E-01	0.211300E+00	0.0891700
3	5	0.000000E+00	0.000000E+00	0.0722000
4	ZERO	0.000000E+00	0.000000E+00	0.0552400

	APPFLAP	D	R
1	D 30	0.201700E+00	0.143800E+00
2	D 25	0.210500E+00	0.118000E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.408700E+05	-.401100E+02	0.443500E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.348600E+05	-.350000E+02	0.496200E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	-.323700E+05	-.783000E+01	-.210500E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.475900E+05	0.000000E+00	0.000000E+00	0.000000E+00	

Name: B747-400/PW4056
 ID: A/C Number 084
 AC Type: JCOM 4 ENGINES
 Rated Power: 56800 LB

	TOFLAP	B	C	RT
1	20	0.210000E-02	0.206200E+00	0.0916000
2	10	0.225000E-02	0.213500E+00	0.0823000
3	5	0.000000E+00	0.000000E+00	0.0666000
4	ZERO	0.000000E+00	0.000000E+00	0.0508000

	APPFLAP	D	R
1	D 30	0.206400E+00	0.141000E+00
2	D 25	0.214300E+00	0.117100E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.536700E+05	-.543000E+02	0.515000E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.436010E+05	-.427000E+02	0.726000E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	-.492500E+05	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.622100E+05	0.000000E+00	0.000000E+00	0.000000E+00	

Name: B737-400/CFM56-3C-1
 ID: A/C Number 085
 AC Type: JCOM 2 ENGINES
 Rated Power: 23500 LB

	TOFLAP	B	C	RT
1	15	0.109000E-01	0.459600E+00	0.0724000
2	5	0.117000E-01	0.483400E+00	0.0798000
3	1	0.000000E+00	0.000000E+00	0.0713000
4	ZERO	0.000000E+00	0.000000E+00	0.0628000

	APPFLAP	D	R
1	D 40	0.423000E+00	0.151000E+00
2	D 30	0.433800E+00	0.125100E+00
3	D 15	0.477900E+00	0.107900E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.216100E+05	-.208300E+02	0.227400E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.196950E+05	-.181500E+02	0.208000E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.213840E+05	-.137900E+02	-.435000E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	-.615800E+03	0.640900E+01	

Name: B737-500/CFM56-3B-1
 ID: A/C Number 086
 AC Type: JCOM 2 ENGINES
 Rated Power: 20000 LB

	TOFLAP	B	C	RT
1	15	0.109000E-01	0.454100E+00	0.0925000
2	5	0.117000E-01	0.477100E+00	0.0803000
3	1	0.000000E+00	0.000000E+00	0.0712000
4	ZERO	0.000000E+00	0.000000E+00	0.0620000

	APPFLAP	D	R
1	D 40	0.416600E+00	0.151000E+00
2	D 30	0.428100E+00	0.125300E+00
3	D 15	0.453800E+00	0.108400E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.187450E+05	-.201200E+02	0.404300E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.174480E+05	-.173200E+02	0.155700E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.111060E+05	-.100900E+02	0.409000E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	-.369800E+03	0.483500E+01	

Name: B767-300/PW4060
 ID: A/C Number 087
 AC Type: JCOM 2 ENGINES
 Rated Power: 60000 LB

	TOFLAP	B	C	RT
1	20	0.367000E-02	0.278800E+00	0.0866000
2	15	0.381000E-02	0.285300E+00	0.0824000
3	5	0.409000E-02	0.297000E+00	0.0750000
4	INT	0.000000E+00	0.000000E+00	0.0641000
5	ZERO	0.000000E+00	0.000000E+00	0.0531000

	APPFLAP	D	R
1	D 30	0.255500E+00	0.132900E+00
2	D 25	0.262700E+00	0.121000E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.563700E+05	-.530000E+02	0.251000E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.454800E+05	-.419000E+02	0.559000E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.492500E+05	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.622100E+05	0.000000E+00	0.000000E+00	0.000000E+00	

Name: BAE146-300/ALF502R-5
 ID: A/C Number 088
 AC Type: JCOM 4 ENGINES
 Rated Power: 6970 LB

	TOFLAP	B	C	RT
1	30	0.775000E-02	0.433510E+00	0.1471100
2	24	0.834100E-02	0.462000E+00	0.1352000
3	18	0.944900E-02	0.498470E+00	0.1279000
4	ZERO	0.000000E+00	0.000000E+00	0.0818660

	APPFLAP	D	R
1	D 33	0.451100E+00	0.149009E+00
2	D 24	0.605570E+00	0.134808E+00
3	U 24	0.000000E+00	0.935190E-01
4	D 18	0.605570E+00	0.116925E+00
5	U 18	0.000000E+00	0.805800E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.654235E+04	-.995850E+01	0.560570E-01	-.123124E-04	0.000000E+00
2 MAX CLIMB	0.633938E+04	-.995850E+01	0.560570E-01	-.123124E-04	0.000000E+00
3 GEN. THRUST	-.137830E+05	-.995850E+01	0.560570E-01	-.123124E-04	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.304295E+03	-.843270E+00	

Name: F100/TAY 620-15
 ID: A/C Number 089
 AC Type: JCOM 2 ENGINES
 Rated Power: 13900 LB

	TOFLAP	B	C	RT
1	0	0.122000E-01	0.516200E+00	0.0683000
2	8	0.000000E+00	0.000000E+00	0.0000000
3	INT2	0.000000E+00	0.000000E+00	0.0904000
4	ZERO	0.000000E+00	0.000000E+00	0.0000000

	APPFLAP	D	R
1	D 42	0.473100E+00	0.156500E+00
2	U INT	0.000000E+00	0.112400E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.135510E+05	-.165600E+02	0.280400E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.104720E+05	-.957000E+01	0.137000E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: F100/TAY 650-15
 ID: A/C Number 090
 AC Type: JCOM 2 ENGINES
 Rated Power: 15100 LB

	TOFLAP	B	C	RT
1	0	0.123000E-01	0.521000E+00	0.0693000
2	8	0.000000E+00	0.000000E+00	0.0000000
3	INT2	0.000000E+00	0.000000E+00	0.0911000
4	ZERO	0.000000E+00	0.000000E+00	0.0000000

	APPFLAP	D	R
1	D 42	0.473100E+00	0.156500E+00
2	U INT	0.000000E+00	0.112900E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.148140E+05	-.167200E+02	0.650000E-01	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.109700E+05	-.105200E+02	0.123800E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: KC135R/CFM56-2B-1
 ID: A/C Number 091
 AC Type: JMIL 4 ENGINES
 Rated Power: 22000 LB

	TOFLAP	B	C	RT
1	30	0.748100E-02	0.339432E+00	0.1224610
2	20	0.789600E-02	0.354688E+00	0.1160720
3	INT	0.000000E+00	0.000000E+00	0.0936020
4	ZERO	0.000000E+00	0.000000E+00	0.0777260

	APPFLAP	D	R
1	D 50	0.347517E+00	0.148843E+00
2	D 40	0.368837E+00	0.129161E+00
3	D 30	0.390157E+00	0.109478E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.207580E+05	-.206500E+02	0.217300E+00	0.000000E+00	-.241800E+01
2 MAX CLIMB	0.188590E+05	-.179100E+02	0.195300E+00	0.000000E+00	-.203400E+01
3 GEN. THRUST	0.111060E+05	-.100900E+02	-.409000E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	-.369800E+03	0.480000E+01	

Name: KC135B/JT3D-7
 ID: A/C Number 092
 AC Type: JMIL 4 ENGINES
 Rated Power: 19000 LB

	TOFLAP	B	C	RT
1	30	0.714200E-02	0.330709E+00	0.0914500
2	20	0.700200E-02	0.341600E+00	0.0841010
3	INTR	0.000000E+00	0.000000E+00	0.0803500
4	ZERO	0.000000E+00	0.000000E+00	0.0543000

	APPFLAP	D	R
1	D 50	0.346754E+00	0.139200E+00
2	D 40	0.368841E+00	0.129000E+00
3	D 30	0.390927E+00	0.106400E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.180075E+05	-.149771E+02	0.179432E+00	0.612400E-05	0.000000E+00
2 MAX CLIMB	0.153064E+05	-.127305E+02	0.152517E+00	0.520540E-05	0.000000E+00
3 GEN. THRUST	-.254474E+05	-.679039E+01	-.177500E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.332998E+05	-.581700E+04	0.000000E+00	0.000000E+00	

Name: B727-200/JT8D-17,217
 ID: A/C Number 093
 AC Type: JCOM 3 ENGINES
 Rated Power: 19233 LB

	TOFLAP	B	C	RT
1	5	0.654500E-02	0.387655E+00	0.1119000
2	2	0.000000E+00	0.000000E+00	0.0878000
3	ZERO	0.000000E+00	0.000000E+00	0.0636000

	APPFLAP	D	R
1	D 30	0.359600E+00	0.151096E+00
2	U 30	0.000000E+00	0.141604E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.183643E+05	-.130330E+02	0.155297E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.147329E+05	-.800670E+01	0.129573E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: B727-100/JT8D-7,219
 ID: A/C Number 094
 AC Type: JCOM 3 ENGINES
 Rated Power: 19133 LB

	TOFLAP	B	C	RT
1	5	0.795500E-02	0.402558E+00	0.1280150
2	2	0.000000E+00	0.000000E+00	0.0958000
3	ZERO	0.000000E+00	0.000000E+00	0.0636000

	APPFLAP	D	R
1	D 30	0.373900E+00	0.146526E+00
2	U 30	0.000000E+00	0.136164E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.182422E+05	-.129051E+02	0.531830E-01	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.146551E+05	-.705590E+01	0.143591E+00	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: CIT 3/TFE731-3-100S
 ID: A/C Number 095
 AC Type: JGA 2 ENGINES
 Rated Power: 3650 LB

	TOFLAP	B	C	RT
1	20	0.428400E-01	0.947523E+00	0.1145250
2	10	0.000000E+00	0.000000E+00	0.0922630
3	ZERO	0.000000E+00	0.000000E+00	0.0700000

	APPFLAP	D	R
1	D 40	0.966375E+00	0.147159E+00
2	D INTR	0.000000E+00	0.130842E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.331930E+04	-.388800E+01	0.680320E-01	-.129600E-05	0.000000E+00
2 MAX CLIMB	0.298740E+04	-.349920E+01	0.612300E-01	-.116640E-05	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: GIV/TAY 611
 ID: A/C Number 096
 AC Type: JGA 2 ENGINES
 Rated Power: 13850 LB

	TOFLAP	B	C	RT
1	20	0.176230E-01	0.594725E+00	0.0952120
2	INTR	0.000000E+00	0.000000E+00	0.0826060
3	ZERO	0.000000E+00	0.000000E+00	0.0700000

	APPFLAP	D	R
1	D 30	0.606116E+00	0.149611E+00
2	D 20	0.632990E+00	0.104748E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.131805E+05	-.148760E+02	0.578000E-01	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.115988E+05	-.130909E+02	0.508640E-01	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: A320-211/CFM56-5A-1
 ID: A/C Number 097
 AC Type: JCOM 2 ENGINES
 Rated Power: 25000 LB

	TOFLAP	B	C	RT
1	F2	0.946200E-02	0.414870E+00	0.1042020
2	INTR	0.000000E+00	0.000000E+00	0.0878300
3	ZERO	0.000000E+00	0.000000E+00	0.0686520

	APPFLAP	D	R
1	D 35	0.411091E+00	0.134884E+00
2	D 20	0.431450E+00	0.114346E+00
3	U 20	0.000000E+00	0.862810E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.237402E+05	-.210921E+02	-.722000E-01	0.359700E-06	0.000000E+00
2 MAX CLIMB	0.208914E+05	-.185611E+02	-.636000E-01	0.316980E-06	0.000000E+00
3 GEN. THRUST	0.274539E+05	-.204620E+02	-.698000E-01	0.301250E-06	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	-.737784E+03	0.743320E+01	

Name: FALCON 20/CF700-2D-2
 ID: A/C Number 098
 AC Type: JGA 2 ENGINES
 Rated Power: 4500 LB

	TOFLAP	B	C	RT
1	10	0.356960E-01	0.807797E+00	0.0987810
2	INTR	0.000000E+00	0.000000E+00	0.0843910
3	ZERO	0.000000E+00	0.000000E+00	0.0700000

	APPFLAP	D	R
1	D 40	0.792624E+00	0.136348E+00
2	D 25	0.804634E+00	0.117238E+00

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.401739E+04	-.345670E+01	0.580240E-01	-.249247E-05	0.000000E+00
2 MAX CLIMB	0.410197E+04	-.238310E+01	-.114653E+00	0.102126E-04	0.000000E+00
3 GEN. THRUST	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	

Name: DASH 8-300/PW123
 ID: A/C Number 099
 AC Type: JCOM 2 ENGINES
 Rated Power: 2142 LB
 100% Thrust: 4918 LB

	TOFLAP	B	C	RT
1	15	0.144030E-01	0.549595E+00	0.0802920
2	10	0.151650E-01	0.570532E+00	0.0763090
3	5	0.178360E-01	0.617640E+00	0.0706520
4	INT	0.199870E-01	0.659514E+00	0.0675720
5	ZERO	0.000000E+00	0.000000E+00	0.0683080

	APPFLAP	D	R
1	D 35	0.555420E+00	0.103483E+00
2	D 15	0.601230E+00	0.949580E-01
3	U 15	0.000000E+00	0.841390E-01
4	D 10	0.629860E+00	0.910240E-01
5	U 10	0.000000E+00	0.792210E-01

REFERRED THRUST COEFFICIENTS:

	E	F	Ga	Gb	H
1 MAX T/O	0.742108E+04	-.244354E+02	0.100339E+00	0.000000E+00	0.000000E+00
2 MAX CLIMB	0.667898E+04	-.219919E+02	0.903051E-01	0.000000E+00	0.000000E+00
3 GEN. THRUST	0.162310E+04	-.184110E+02	0.751040E-01	0.000000E+00	0.000000E+00
	K1a	K1b	K2	K3	
	0.000000E+00	0.000000E+00	0.726356E+02	- 179510E+00	